0.00

13-02-01 18

120

Memo

Packaging

Packaging

												DQA:	Da	ite:			
NCR:	Yes	/ No				WORK ORDER NON-C	100	NFORM	MANCE / UP	DATE		_					
												QA Closed:	Da	ite:			
Work Ord	er.					DISPOSITION		AGAINST DEPARTMENT/PROCESS									
· Voik Oid	с.					Rework	Rework			Skid-tube Crosstube			Water Jet		Engineering		
Part	No.					Scrap		1	Machining	Small Fab	٦	Prod	d. Eng. Coor.		Quality		
						Use-as-is		Thern	noforming	Finishing	Rec/Store/Packagi				Other		
NCR	No.					Work Order Update			Large Fab	Composite			Supplier				
Root					Descri	ption of work order update		Initial Action		tion	٦	Sign &			. ==		
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	ription		Date	Verificatio	n	QC Inspector		
Doc/Data							Π				T						
Equip/Tooling														ļ			
Operator]							•								
Material																	
Setup											-			ļ			
Other]		<u> </u>										l			
Process														İ			
Supplier	Г										-						
Training											١			ļ			
Unapproved																	
						F	AUL	T CATE	GORY				. —				
Landi	ing (Gear				General		-				•					
	Bending					Bend	L	Grain				Ovalized		L	Pressure/Forced		
		Centre No	ot Concer	ntric to	o/s	BOM/Route	L	Hardwa	re			Over/Under	tolerance		Temperature/Cure		
		Cracks				Broken/Damaged		Inspecti	on Incomplete			Part Incorred	:t		Weld		
		Crushed/0	Crimped.			Burrs		Instruct	ions Incomplete/	Unclear	_	Part Lost/Mi	ssing		Wrong Stock Pulled		
		Cuffs				Contamination		Mainte	nance		7	Part Moved			_		
		Heat Treat				Countersink		Mislabeled				Positioned V	/rong				

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Other

Power Loss/Surge

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

January-16-13 8:33:33 AM

Item ID: Revision ID: D4026-041

1/16/13

Accept

N900040100

Setup Start

Item Name: **Start Date:**

Fuel Gauge Assembly

Cust Item ID:

Customer:

Required Date: 1/30/13

Req'd Qty: 4.00

Start Qty: 4.00

Reference:

Run Start Approvals: Process Plan: _____ Date: ____ Tooling: Date: Stop QC: _____ Date: SPC (Y/N): Date:

Sequence ID/ Work Center ID

Operation Description

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours**

Tool ID

Tool# Plan Code

Accept Qty

130 *130*

Quality Control

QC

Memo

0.00

0.00

Reject Ins.
Number Stam,

13-02-6

												DQA:	Date	:	
NCR:	'es	/ No					WORK ORDER NON-CONFORMANCE / UPDATE								
						_					****	QA Closed:	Date	2:	
Nork Order: <u>95443</u>							DISPOSITION			AGAIN	ST DE	EPARTMENT/PROCESS			
Part No. <u> </u>							Rework Scrap Skid-tube Crosstube Machining Use-as-is Thermoforming Finishing Large Fab Composite			ab 🗸	4	Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other		
Root	ŀ				Des	crip	otion of work order update	- 1	nitial	Action	Action				
Cause		Date	Step	Qty		c	r Non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector	
oc/Data quip/Tooling perator faterial etup ther rocess upplier raining napproved		13(02/01	(50)		ptor bro	len pick from ce i part was oken				Gave back to shouted	•	SB 13(02/01			
			<u></u>	į			F.A	AUL	T CATE	GORY		<u> </u>			
Landi	ng G	ear					General								
,		Bending Centre Not Concentric to O/S Cracks					Bend BOM/Route Broken/Damaged		Grain Hardware Inspection Incomplete			Ovalized Over/Under Part Incorred	⊢	Pressure/Forced Temperature/Cure Weld	
	Crushed/Crimped.					Burrs		Instruct	ions Incomplete/Unclear	┖	Part Lost/Mi	ssing	Wrong Stock Pulled		
		Cuffs					Contamination		Mainte	enance	L	Part Moved			
		Heat Treat	t				Countersink		Mislabe	eled		Positioned V	Vrong _		
		Inspection	Strip in	Tube	ļ		Cut Too Short		Misread	t t		Power Loss/	Surge	Other	
		Ripples in	Bend				Drill Holes		Offset						
-		Torque W	aves in E	xtrusio	n [Drawing		Out of 0	Calibration					
	Turning Sequence						Finish	Out of Sequence							

Outside Dirnensions

Wave/Twist in Tube

Folio

Picklist Print

January-16-13 8:33:37 AM

Work Order ID: 95643

95643

Parent Item:

D4026-041

D4026-041

Parent Item Name: Fuel Gauge Assembly

Start Date: 1/16/13

Required Date: 1/30/13

Start Oty: 4.00

Required Oty: 4.00

Comments: IF	PP Rev:A 10.05.1	7 as per ECN10-5	562 DE	verf:EC				:	Start Qty: 4.00	•	Require	ed Qty: 4.0	0
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4014-1	- ···· - · · · ·	Manufactured	No			100	Each	12.0000	- · 1	4		~~~	
D4014-1 witch Plate									**	4	4	S13.	01/3/
				Location	<u>l</u>	Loc	<u>Qty</u>	Loc Code					
				ST084			12						
04014-3					80024		12		_	43	3		**
		Manufactured	No			100	Each	50.0000	1	4		21	/
D4014-3									**			//()	3/0/
	•			Location		Loc	Otv	Loc Code					
· · · ·				ST084			50	<u> </u>					•
4					78883		1		_	1	_ *		
14026 1					84344		49		_	₹ .	ラ		
04026-1		Manufactured	No			100	Each	4.0000	1	4		2/	
D4026-1									**		4	13	/o1/
				Location		Loc	<u>Oty</u>	Loc Code					
				ST242B			4						i
					82822		1		_				
					84420		3			3			

												DQA:	Da	te:	
NCR:	Yes	/ No				WORK ORDER NON-O	100	VFORM	MANCE / UP	DATE		•			
											(QA Closed:	Da	te:	
Work Order:						DISPOSITION				AGAINST DI	EΡ	ARTMENT/	PROCESS		
Part No.						Rework Scrap Use-as-is	Skid-tube Crosstube Machining Small Fab Thermoforming Finishing				Water Jet Prod. Eng. Coor. Rec/Store/Packaging			Engineering Quality Other	
NCR	No.					Work Order Update	J		Large Fab	Composite			Supplier		
Root					Descri	ption of work order update		nitial	Ad	ction	T	Sign &			
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	cription		Date	Verificatio	n	QC Inspector
Doc/Data															
Equip/Tooling		•]												
Operator															
Material			ł								1				
Setup	П										ı				
Other											ı				
Process											Ì				
Supplier														;	
Training											-				
Unapproved															
			•			F	AUL	T CATE	GORY						
Landi	ing (Gear				General									
		Bending				Bend		Grain		Г	٦	Ovalized			Pressure/Forced
-	Г	Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		٦	Over/Under	tolerance		Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on Incomplete		٦	Part Incorred	ct		Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete,	/Unclear	7	Part Lost/Mi	ssing		Wrong Stock Pulled
		Cuffs	•			Contamination		Mainte		<u> </u>	_	Part Moved	-	•	· -
		Heat Trea	ıt			Countersink		Mislabe			-	Positioned V	Vrong		
		Inspection Strip in Tube				Cut Too Short					-1	Power Loss/	•		Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

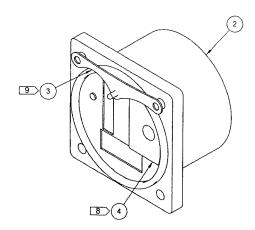
Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4026-041	FUEL GAUGE ASSEMBLY	FL-100-R-JCA (REF)
2	1	D4026-1	FUEL GAUGE	
3	1	D4014-1	SWITCH PLATE	
4	1	D4014-3	GAUGE COVER	
5	A/R		DOUBLE SIDED TAPE	



Service Ory · · (R v To * - AST-FRUIG OMERGELED COPY JACOBY AMPROMENT CHARLI SOME 95.643 MLJ 13-01-16



D4026-041 FUEL GAUGE ASSEMBLY

NOTES:

1) MATERIAL: N/A
2) FINSH: N/A
2) FINSH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4026-041" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.24 lbs
8) ATTACH D4014-3 GALIGE COVER HISING POUNTS (NOTE) TABLE

8) ATTACH D4014-3 GAUGE COVER USING DOUBLE SIDED TAPE 9) D4014-1 SWITCH COVER INCLUDED WITH ASSEMBLY, INSTALLED DURING GAUGE INSTALLATION IN AIRCRAFT

NEW ISSUE 10.02.05 REV. DESCRIPTION DESIGN **DART AEROSPACE LTD** DRAWN HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. REV. A D4026 MFG. APPR. SHEET 1 OF 2 APPROVED TITLE SCALE FUEL GAUGE

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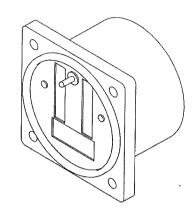
DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4026-1 FL-100-R-JCA

8

D

С

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE]
D4026-1	AEROSPACE LOGIC INC.	FL-100-R	AIRCRAFT SPRUCE AND SPECIALTY	10-00304	-15°C TO +55°C 5°F TO 131°F	450 mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION	RESISTIVE SENSORS OF ALL TYPES RMAX = 300 OHMS Roin = 0 OHMS		
				· · · · · · · · · · · · · · · · · · ·				í	

D4026-1 FUEL GAUGE

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: N/A

DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. REV. A D4026 MFG. APPR. SHEET 2 OF 2 APPROVED TITLE SCALE DE APPR. FUEL GAUGE NTS COPYRIGHT © 2010 BY DART AEROSPACE LTD

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WINTETER PROMISSION FROM DATE 10.02.05